

Converting Colors

XYZ(25.0340, 12.8902, 1.8611)

Have a look what the booklet for
XYZ(25.0340, 12.8902, 1.8611)
contains.

XYZ(25.0372, 12.8915, 1.8782)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(25.0372, 12.8915,
1.8782)**

Conversions

Conversions Part 1

Format	Color
Hex	CC0015
RGB	204, 0, 21
RGB Percent	80%, 0%, 8%
CMY	0.2000, 0.9998, 0.9176
CMYK	0.00, 1.00, 0.90, 0.20
HSL	354°, 100%, 40%
HSV	354°, 100%, 80%
XYZ	25.0372, 12.8915, 1.8782
YIQ	63.3900, 114.8430, 49.7790

Conversions

Conversions Part 2

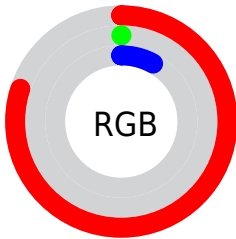
Format	Color
RYB	204, 0, 21
Decimal	13369365
CIELab	42.60, 67.93, 49.36
CIELCh	43, 83.972, 36.000
Yxy	12.8915, 0.6290, 0.3239
Android (android.graphics.Color)	4291559445 (0xFFCC0015)
YUV	63.3900, -20.8983, 123.3150
Hunter-Lab	35.9047, 61.6389, 22.0318

Details

The XYZ color **25.0372, 12.8915, 1.8782** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **30.1447, 46.6062, 52.2288**, and the grayscale version is **4.8037, 5.0539, 5.5037**.

A 20% lighter version of the original color is **45.5319, 28.1744, 8.5072**, and **10.8152, 5.5754, 0.5061** is the 20% darker color. If you saturate the color by 10%, you get **25.0367, 12.8913, 1.8764**, and if you desaturate by 10%, it is **25.5310, 13.5018, 3.2065**.

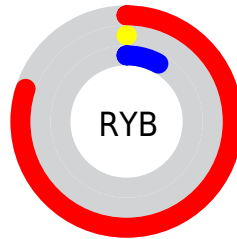
Distribution



Red (80%)

Green (0%)

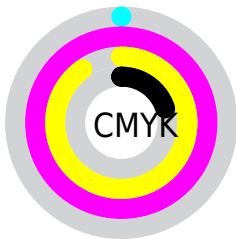
Blue (8%)



Red (80%)

Yellow (0%)

Blue (8%)

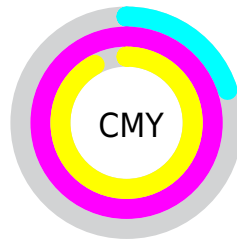


Cyan (0%)

Magenta (100%)

Yellow (90%)

Black (20%)



Cyan (20%)


Magenta (100%)


Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.0372, 12.8915, 1.8782 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 25.0372, 12.8915, 1.8782 by changing the saturation by 10% instead.


 25.0372, 12.8915,
1.8782

 25.0372, 12.8915,
1.8782


270.3674,
210.2211, 120.4559


 16.2337, 7.3539,
0.4788


 51.1600, 31.1087,
8.7051


 9.7815, 3.6844,
0.0000


 69.2100, 44.5571,
15.0465

 5.3155, 1.4986,
0.0000

 91.0729, 61.4112,
23.8981

 2.4702, 0.2878,
0.0000

 117.1139, 82.0554,
35.6782


 0.8802, 0.0000,
0.0000


 147.6985,
106.8741, 50.8055


 0.0000, 0.0000,
0.0000


 183.1921,


136.2517, 69.6986


 223.9599,
170.5726, 92.7758


 25.0372, 12.8915,
1.8782


 25.0372, 12.8915,
1.8782


 25.0367, 12.8913,
1.8764

 25.5310, 13.5018,
3.2065

 26.4429, 14.7138,
5.3973

 27.8848, 16.7212,
8.5793

 29.9221, 19.6300,
12.8524

 32.6107, 23.5297,
18.3041

■ 36.0003, 28.4989,
25.0132

■ 40.1353, 34.6086,
33.0514

■ 45.0566, 41.9235,
42.4852

■ 50.8024, 50.5033,
53.3765

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



28.8679, 12.8915, 10.6870



25.0372, 12.8915, 1.8782



17.9260, 12.8915, 0.0000

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



25.0372, 12.8915, 1.8782



4.1363, 12.8915, 4.0713



13.5752, 12.8915, 85.5416

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



25.0372, 12.8915, 1.8782



30.1447, 46.6062, 52.2288

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



7.9242, 12.8915, 76.4300



25.0372, 12.8915, 1.8782



3.6748, 12.8915, 18.0219

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



25.0372, 12.8915, 1.8782



6.3822, 12.8915, 0.3854



4.7870, 12.8915, 46.2946



20.9311, 12.8915, 65.6575

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



25.0372, 12.8915, 1.8782



13.1254, 12.8915, 0.0000



4.7870, 12.8915, 46.2946



11.4201, 12.8915, 85.8973

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



25.0375, 12.8923, 1.8784



66.1615, 56.8607, 54.1441



29.7694, 14.0883, 58.2766



13.5068, 11.2020, 10.3215



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



25.0375, 12.8923, 1.8784



41.4287, 21.3355, 2.9239



27.6423, 18.3183, 2.0801



11.2584, 11.2321, 11.8953



15.7750, 8.1206, 1.2677



0.8301, 0.4255, 0.1512

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



25.0375, 12.8923, 1.8784



41.4287, 21.3355, 2.9239



18.3368, 19.2345, 59.8725



11.2584, 11.2321, 11.8953



15.7750, 8.1206, 1.2677



0.8301, 0.4255, 0.1512

Previews

White Background



This preview shows how the XYZ color 25.0372, 12.8915, 1.8782 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.0372, 12.8915, 1.8782

Background



This preview shows how black text looks on a background with the XYZ color 25.0372, 12.8915, 1.8782.



This preview shows how white text looks on a background with the XYZ color 25.0372, 12.8915,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

25.0372, 12.8915, 1.8782

Protanopia

12.2867, 13.4918, 3.8761

Deuteranopia

13.5736, 13.4812, 1.8867



Tritanopia

24.8615, 13.1623, 1.2302

Trichromacy



Original Color

25.0372, 12.8915, 1.8782

Protanomaly

14.2415, 10.2038, 2.5854

Deuteranomaly

15.6711, 10.6309, 1.4557

Tritanomaly

24.8039, 12.9770, 1.4272

Monochromacy



Original Color

25.0372, 12.8915, 1.8782

Achromatopsia

4.7246, 4.9707, 5.4130

Achromatomaly

8.2317, 5.3084, 3.3871

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.0372, 12.8915, 1.8782 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(204, 0, 21)` looks like.

```
.text, #text, p{  
    color:rgb(204, 0, 21)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(204, 0, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 0, 21) }
```

Border

The CSS property to change the border of an element to XYZ 25.0372, 12.8915, 1.8782 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(204, 0, 21) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(204, 0, 21) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(204, 0, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 0, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 0, 21);  
box-shadow:4px 4px 4px 4px rgb(204, 0, 21)  
}
```

Background

The CSS property to change the background color of an element to XYZ 25.0372, 12.8915, 1.8782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 0, 21) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(204, 0,  
21) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor